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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Markus Cherdron et al. Art Unit : 2123  
 Serial No. : 10/676,837 Examiner : Unknown  
 Filed : September 30, 2003  
 Title : USING INTERRELATED DATA AT RUN TIME  
 Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

RESPONSE TO THE RESPONSE TO REQUEST FOR CORRECTED  
FILING RECEIPT DATED MAY 27, 2004

The applicant has received a "Response to Request for Corrected Filing Receipt" dated May 27, 2004, for the the above-captioned application. In reply, applicant respectfully submits that the complete priority information was submitted at the time of filing of the above-captioned application as shown on page 1 of the application, in the "Cross-Reference to Related Applications" section (copy enclosed). The priority information was again indicated on the patent application transmittal, on page 1, filed with the application on September 30, 2003 (copy enclosed).

The applicant respectfully submits that this error is a PTO error and requests that a corrected Filing Receipt be issued for the above-captioned patent application.

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

July 28, 2004  
 Date of Deposit

Emma Danell  
 Signature

Emma Danell  
 Typed or Printed Name of Person Signing Certificate


Applicant : Markus Cherdron et al.  
Serial No. : 10/676,837  
Filed : September 30, 2003  
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Attorney's Docket No.: 13913-087001 / 2002P10032  
US02

Please apply any other charges or credits to deposit account 06-1050.

Date: 7-28-04

Respectfully submitted,

  
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## USING INTERRELATED DATA AT RUN TIME

### CROSS-REFERENCE TO RELATED APPLICATIONS

This application claims the benefit of U.S. Application Serial No. 60/414,985, filed on September 30, 2002, European Application Serial No. 02024242.6 filed on October 31, 2002, and U.S. Application Serial No. 10/335,191, filed on December 30, 2002.

### BACKGROUND

The present invention relates to electronic data processing in general, and particularly to using interrelated data at run time.

In the model view controller (MVC) design pattern used for developing application programs, the model represents the core of such an application program. The model can have multiple views, where each view displays information about the model to a user. A controller of the model receives events, for example, raised by a user interacting with a view to manipulate the model. The model can have multiple controllers and a controller can relate to multiple views. The model and the controller typically include application code. When changes occur in the model, the model updates all of its views. Data binding is used for data transport between the view and its model or controller. For example, a table view can be defined to display data of a corresponding table that is stored in the model or controller. The table is used as the data source for the table view (data binding). For example, the table view can be replaced by a further view, such as a linked list, that binds against the same table. In this case, the further view displays the table data without changing anything in the controller or the model.

When building a software application, predefined relationships can exist between various data elements used by the application. Predefined relationships can be defined in a variety of ways; for example, the relationships can be defined through dependencies in a relational database. However, for some data, predefined relationships do not exist, for example, when no relationship is defined in a database or when it is data that refers to the model on the one hand and to the view on the other hand. Therefore, usually a major portion



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September 30, 2003

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Attorney Docket No.: 13913-087001 / 2002P10032 US02

**Mail Stop Patent Application**

Commissioner for Patents

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Applicant: MARKUS CHERDRON, UWE REEDER, STEPHAN RITTER AND  
FRANK WEIGEL

Title: USING INTERRELATED DATA AT RUN TIME

Enclosed are the following papers, including those required to receive a filing date  
under 37 CFR §1.53(b):

	<u>Pages</u>
Specification	20
Claims	3
Abstract	1
Declaration	[To be Filed at a Later Date]
Drawings	9

Enclosures:

- Application Coversheet, 1 page.
- Postcard (2).

This application claims the benefit of U.S. Application Serial No. 60/414,985, filed on September 30, 2002, European Application Serial No. 02024242.6 filed on October 31, 2002, and U.S. Application Serial No. 10/335,191, filed on December 30, 2002.

Under 37 CFR §1.53(f), no filing fee is being paid at this time.

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September 30, 2003

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If this application is found to be incomplete, or if a telephone conference would otherwise be helpful, please call the undersigned at (650) 839-5070.

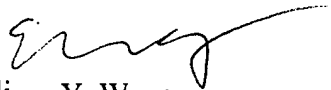
Kindly acknowledge receipt of this application by returning the enclosed postcard.

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Respectfully submitted,



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Enclosures

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